The Butler

# Plan

Design a robot that can identify empty seats in an area and direct the student to that seat.

## Steps

* Design camera program to map area and identify empty seats
  + Map area to label seats and path
  + Build program to find empty seats and occupied seats
  + Ping nearest occupied seat from start position
* Build a robot that will lead the person to the seat in the mapped area
  + Map out designated area with distance to each seat
  + Wait in certain area for location from the other